

Computation of a Hemispherical Radiator
for Calibrating Pyrgeometers, by
T. D. Voytikova, 11 pp.
RUSSIAN, per, Trudy Glav Geofiz. Observat.
No 152, 1964, pp 160-167. 9227316
NASA TT F-326

Sci-ES/A
Apr 65

276,752

On the Spectral Characteristics of Materials
Used in the Design of Actinometric Apparatus,
by L. B. Krasil'nikov, G. P. Semenova, 5 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observatorii
imeni A. I. Voyeykova, No 152, 1964, pp 168-171.

JPRS 27596

Sci-Earth Sciences
and Astronomy
Jan 65

272,095

An Electronic Thermoregulator, by V. S. Aleksandrov,
7 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observatorii
imeni A. I .Voyeykova, No 1252, 1964, pp
172-175.

JPRS 27597

Sci-Electronics
Jan 65

272,096

Cuvette for Nephelometric Measurements With
High Angular Resolution in the Region 5 to 175°,
by G. I. Golikova, 12 pp.
RUSSIAN, per. Tredy Glav Geofiz. Observat. Imeni
A. I. Voznesenskogo, No 152, 1964, pp 176-185, 0227839
NASA TT F-327

Sci-ES/A
Apr 65

279,411

Spectral Reflectivity of Clouds, by Ye. P. Novosel'tsev,
8 pp.

RUSSIAN, per, Izudy Glav Geofiz Observat imeni
A. I. Voprykova, No 152, 1964, pp 186-191. 927/337
RSLA TT P-328

Sci-ES/A
Apr 65

279,413

COMBINED USE OF THE CHARACTERISTICS OF CIRCULATION
TYPE AND CIRCULATION INTENSITY FOR THE PURPOSE OF
FORECASTING ANOMALIES OF MONTHLY TEMPERATURE, BY E. V.
VOROB'YEVA.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZ OBSERV,
VOL LXXXVIII, 1960, PP 96-110.

NLL M. 3838

SCI - GEOPHYS

OCT '62

214,782

Aerological Investigation of the Boundary Layer
of the Atmosphere, by P. A. Vorontsov.

RUSSIAN, per, Trudy Glav Geofiz Observ, 1960,
pp 124-157.

NIL M 5084

Sci - Earth Sci & Astron
May 1963

229,327

Perennial Mean Characteristics of Certain
Meteorological Elements and the Circulation Over
China During the Winter Months, by Chang
Chia-ch'eng, 41 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 90, 1960, pp 11-26.

JPRS 9138

Sci - Geophys

153, 744

Jun 61

(NY-6029)

(NY-5805)

Some Views of on the Nature of the China Monsoons,
by Chung Chia-ch'eng, 41 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 90, 1960, pp 27-42.

JPBS 9139

FE - China

Geog

Jun 61

ALL INFORMATION
153,739

The Influence of a Radiation Fog on the Development of a Temperature Inversion, by A. I. Dergach, 7 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 91,
1960, pp 56-59. Invent A. I. Voznykova 9676982

Amer Meteorol Soc T-R-379

Sci - Geophys
Feb 62

184,984

The Problem of Arriving at a Method for Measuring
the Minimum Temperature at the Surface of the Soil;
by E. N. Romanov, H. N. Ya. Kaulin, 12 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 97, 1960, pp 62-70. 9676976

Amer Meteorol Soc T-R-385

Sci & Geophys
Feb 62

185,057

Statement of the Problem of the Stationary
Structure of the Boundary Layer of the
Atmosphere, by D. L. Leykhtman, 10 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 94,
1960, pp 3-7. *Amani A. I. Voyeykova,*

Amer Meteorol Soc E-R-378
SLA 62-3320-3

Sci - Geophys
Feb 62

184,983

Stationary Distribution of the Wind, Temperature
and Turbulent Exchange in the Boundary Layer of
the Air Under Various Stability Conditions,
by G. Kh. Tseitin, L. R. Orlenko, 20 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
E. A. I. Voyeykova, X No 94, 1960, pp 8-28. 9676978
2

Amer Meteorol Soc T-R-387

Sci - Geophys
Feb 62

185,059

Wind Over a City, by N. Z. Ariel, L. A.
Klyuchnikova, 6 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 94, 1960, pp 29-32.

Amer Meteorol Soc X-R-276
AF Cambridge Res Center

Sci - Geophys
Sep 61

167, 819

Western Bureau

167, 819

The Role of Radiant and Turbulent Heat Exchange
in the Formation of the Temperature Stratification
of the Boundary Layer of the Atmosphere, by
L. A. Klyuchnikova, Z. N. Shekhter, 8 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ ineni
A. I. Voyeykova, No 94, 1960, pp 33-38. 9676923

Amer Meteorol Soc T-R-380

Sci - Geophys
Feb 62

184, 925

An Operational Method of Computing the Wind
Profile in the Boundary Layer of the Atmosphere,
by N. Z. Ariel', L. A. Klyuchnikova, 5 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. imeni
A. I. Voyeykova, No 94, 1960, pp 39-41. 9676928

Amer Meteorol. Soc T-R-381

Sci - Geophys
Feb 62

184,978

The Theory of the Transformation of Air Masses
Above the Sea, by M. Ye. Berlyand, Kim Sin-man,
9 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Vovaykova, No 94, 1960, pp 138-144. 9676 929

Amer Meteorol Soc T-R-386

Sci - Geophys
Feb 62

675 62-125902
185, 058

Conditions of Fog Formation, by M. Ye. Barlyand,
1960

TRANSLATION, per, Trudy Glav Geofiz Observ izm
A. N. Vovaykova, No 94, 1960, pp 145-148. 9676974

Amer Meteorol Soc 12-R-382

Sci + Geophys
Feb 62

184, 979

Investigation of the Characteristics of Fog
Formation, by V. P. Gracheva, 11 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. imeni
A. I. Voyeykova, No 94, 1960, pp 149-155. 9676975

Amer Meteorol Soc T-R-383

Sol - Geophys
Feb 62

184, 980

The Diurnal Variation of Absolute Humidity in
the Surface Layer of the Atmosphere, by
I. I. Solomatina, 11 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. Izv.
A. I. Voyeykova, No 94, p 1960, pp 156-162.

Amer Meteorol Soc T-R-384

Sci - Geophys
Feb 62

NIL 10-77-3, 7575

184, 981
1966 (T-R-384

AFRL T-R-384 9699175

Imyanitov, I. M.
CHANGE IN THE ATMOSPHERIC ELECTRIC FIELD
DURING SOLAR ECLIPSES. [1961] 3p.
Order from ATS \$3.25

ATS-54N53R

Trans. of Glavnaya Geofizicheskaya Observatoriya
(Leningrad) Trudy (USSR) 1960, no. 97[159] p. 3-4.

DESCRIPTORS: *Solar eclipse, Electrical effects,
*Atmosphere, *Electric fields.

(Astronomy--Astrophysics, TT, v. 6, no. 6)

61-25057

I. Imyanitov, I. M.
II. ATS-54N53R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176721

Office of Technical Services

Imyanitov, I. M.
ELECTRIC FIELDS IN CUMULUS CONGETUS AND
THUNDERCLOUDS AND USE OF DATA CONCERNING
THEM TO ENABLE AIRCRAFT TO AVOID THUNDER-
STORMS. [1961] 10p.
Order from ATS \$18.50

ATS-48N52R

Trans. of Glavnaya Geofizicheskaya Observatoriya.
[Leningrad] Trudy (USSR) 1960, no. 97 [159] p. 5-15.

DESCRIPTORS: *Cumulus clouds, *Thunderclouds,
*Electric fields, Analysis, *Aircraft, Navigation,
Meteorology.

NASA TT F-8062

RJ-3555

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

61-25060

I. Imyanitov, I. M.
II. ATS-48N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176722

Office of Technical Services

61-25349

Imyanitov, I. M. and Mikhailovskaya, V. V.
EXPERIMENTAL STUDY OF THE CHARGES ON
PRECIPITATION PARTICLES IN THE FREE
ATMOSPHERE. [1961] 16p.
Order from ATS \$21.50

ATS-49N52R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]: Trudy (USSR) 1960, no. 97[159]
p. 16-33.

DESCRIPTORS: *Precipitation, Electrical properties,
Particles, Atmosphere.

(Earth Sciences--Meteorology, TT, v. 6, no. 9)

I. Imyanitov, I. M.
II. Mikhailovskaya, V. V.
III. ATS-49N52R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

185567

Office of Technical Services

Daily Number of Storm Discharges, by B. F. Loch,
RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 39-42.

*ATS:

15 May 61

per memo - OSI 3 May 61

Measurement of the Charge of Rain in Voyeykovo in
1958, by V. P. Kolokolov,

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 43-47.

*ATS

15 May 61

per memo - OSI 3 May 61

61-12773

Makhotkin, L. G.
CHANGE IN THE CHARGES ON DROPS DURING
EVAPORATION. [1960] 3p.
Order from ATS \$4.25 ATS-39N48R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 97, p. 48-50.

151548

1. Drops--Electrical properties
2. Evaporation--Electrical effects
- I. Makhotkin, L. G.
- II. ATS-39N48R
- III. Associated Technical Services, Inc., East Orange, N. J.

ATS/RT-2232

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 8)

Electrical Charges of Fog and Cloud Drops, by L. G.
Makhotkin, V. A. Solov'yev,

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 97,
1960, pp 51-62.

*ATS

15 May 61

per memo - OSI 3 May 61

VISIBILITY IN FALLING SNOW, BY E. A. POLYAKOVA,
V. D. TRETYAKOV.

RUSSIAN, PER, TRUDY GLVANOY & GEOPHYS OBSERV,
NO 100, 1960, PP 53-57.

NLL M. 3820

SCI - GEOPHYS

OCT 62

214,779

KBR

MICROSTRUCTURE AND TRANSPARENCY OF FALLING SNOW,
BY L. P. ZEL'MANOVICH.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZ OBSERV, NO 100,
1960, PP 58-64.

NLL M. 3746

SCI - GEOPHYS

OCT 62

214,173

SOME CHARACTERISTICS OF THE ATMOSPHERE FAVOURABLE
TO CUMULUS AND CUMULO-NIMBUS CLOUDS, BY E. S.
SELEZHEVA, M. P. CURINOVA.

RUSSIAN, PER TRUDY GLAVNOY GEOFIZ OBSERV, NO 102,
1960, PP 3-20.

NLL M. 3744

SCI - GEOPHYS

JATS

214,169

OCT 62

Investigation of the Breakup of Convective Clouds
During Unstable Stratification of the Atmosphere,
by N. S. Shishkin,

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 102,
1960, pp 21-49.

*ATS

15 May 61

per memo - OSI 3 May 61

Nikandrova, G. T. and Khimach, M. A.
CHARACTERISTICS OF THE MICROSTRUCTURE OF
SUPERCOOLED CLOUDS. [1960] 7p.
Order from ATS \$11.85 ATS-82M46R

Trans. of Glavnaya Geofiz[icheskaya] Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 102, p. 50-57.

148,599

(Earth Sciences--Meteorology, TT, v. 5, no. 7)

61-12291

- I. Clouds--Temperature factors
- I. Nikandrova, G. T.
- II. Khimach, M. A.
- III. ATS-82M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RJ-2851

Office of Technical Services

61-25068

Nikandrova, G. T. and Fridman, Yu. S.
PROCEDURE FOR DETERMINING THE SIZE DIS-
TRIBUTION OF DROPS IN CLOUDS. [1961] 5p.
Order from ATS \$10.00 ATS-47N52R

Trans. of Glavnaya Geofiz[icheskaya] Observatoriya
[Leningrad], Trudy (USSR) 1960, no. 102[164]
p. 58-62.

DESCRIPTORS: *Clouds, *Drops, Determination,
Moisture.

RT-3563

I. Nikandrova, G. T.
II. Fridman, Yu. S.
III. ATS-47N52R
IV. Associated Technical
Services, East Orange,
N. J.

176729

Office of Technical Services

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

Kotov, N. V.
RADAR CHARACTERISTICS OF RAINSTORMS AND
THUNDERSTORMS. [1960] 31p.
Order from ATS \$41.30

ATS-84M46R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 102, p. 63-93.
Abstract translation is available from LC or SLA
mi\$2.70, ph\$4.80 in 61-15182, 30 Nov 60 [21]p.

148, 664

(Earth Sciences--Meteorology, TT, v. 5, no. 7)

61-12685

- I. Storms--Radar analysis
- I. Kotov, N. V.
- II. ATS-84M46R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RJ-2821

Office of Technical Services

Sal'man, Ye. M.

PROBLEM OF THE OPTIMUM RADAR WAVE-
LENGTH FOR THE DETECTION OF CLOUD SYS-
TEMS AND PRECIPITATION. [1960] 10p.
Order from ATS \$16.40 ATS-83M46R

Trans. of Glavnaya Geofizicheskiye Observatoriya
[Leningrad]. Trudy (USSR) 1960, no. 102, p. 94-103.

148,601

(Earth Sciences--Meteorology, TT, v. 5, no. 7)

61-12301

1. Meteorological radar
2. Clouds--Detection
3. Precipitation--Detection
- I. Sal'man, Ye. M.
- II. ATS-83M46R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/RJ-2830

Office of Technical Services

D. P. Bessalov

*Methods and apparatus for experimental determination of
heat exchange in soil.*

*RUSSIAN, per, Trudy Leningrad. Glavnaja geofizicheskaja
Observatorija, Vol 103, 1960, pp 68-84.*

**NASA TT F 14, 589*

June 72

(DC-~~Excess~~
6341)

Measurement of the Vertical Component of Wind
Velocity with Ultrasonics, by N. P. Fateyev, 8 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ Imeni
A. I. Voyeykova, No 103, 1960, pp 85-89.

JPRS 11635

Sci - Geophys
Jan 62

179,230

EXTRACT FROM THE JOURNAL OF THE
JOURNAL OF AIR RESISTANCE
RESISTANCE, by Ye. F. Gerasimov, 1944, 7 pp.

EXTRACT FROM THE JOURNAL OF THE
JOURNAL OF AIR RESISTANCE, No 103, 1944, pp 10-11.

JPRS 11635

Sci - Cooper
JPRS 11635

179, 232

n',
The Selfrecorder M-45 for Recording Mean Wind
Speed and Direction, by B. E. Karpusha.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 103,
1960, pp 93-102.

NLL M 5079

Sci - Earth Sci & Astron
May 63

229,336

Running
Method and Equipment for Obtaining Running
Averages and Their Use in Recording Wind Speed,
by N. G. Protogopov.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 103,
1960, pp 103-112.

NIL M 5069

Sci - Earth Sci & Astron
May 63

229,142

61-25053

Shishkin, N. S.
CALCULATION OF THE VERTICAL GROWTH RATE
OF CONVECTIVE CLOUDS. [1961] 11p.
Order from ATS \$15.00

ATS-37N52R

Trans. of [Glavnaya Geofizicheskaya] Observatoriya
[Leningrad] (Trudy [USSR]) 1960, no. 104 [166] p. 3-13.

DESCRIPTORS: *Clouds, Growth, Determination.

FTD 113-13-2/1

9672500

RJ-5566

(Earth Sciences--Meteorology, TT-6, No. 6)

I. Shishkin, N. S.
II. ATS-37N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176717

Office of Technical Services

Barukova, Yu. A., Kamaldina, I. I. and others.
THE QUANTITY AND INTENSITY OF PRECIPITATION
FROM CONVECTIVE CLOUDS. [1961] 10p.
Order from ATS \$13.50 ATS-38N52R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad] (Trudy USSR) 1960, no. 104 [166] p. 14-24.

DESCRIPTORS: *Clouds, *Precipitation, Intensity,
Determination.

FTD A-1340/1

9673000

RJ-3567

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

61-25035

- I. Barukova, Yu. A.
- II. Kamaldina, I. I.
- III. ATS-38N52R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

176706

Office of Technical Services

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

Khimach, M. A. and Shishkin, N. S.
VARIATIONS IN THE MICROSTRUCTURE OF CONVECTIVE CLOUDS DURING PRECIPITATION FALL-OUT.
[1961] 13p.
Order from ATS \$17.60 ATS-39N52R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. (Trudy USSR) 1960, no. 104 [166] p. 25-38.

DESCRIPTORS: *Clouds, Microstructure, *Precipitation.

FTD 1002-124011

9671000

61-25049

I. Khimach, M. A.
II. Shishkin, N. S.
III. ATS-39N52R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

176715

Office of Technical Services

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

Data on the Crystallization Temperature
of the Tops of Cumulus Congestus Clouds
in Various Physiogeographic Regions, by
A. P. Chuvayev, 11 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz. Observ.,
No 104, 1960, pp 39-45. 9672000

FTD MCL-1340/1

Sci - Geophys

176, 120

14 Dec 61

AT-3363

AT-3363

Kilnov, F. Ya.
SOME PROPERTIES OF THE SOLID WATER PHASE
IN THE ATMOSPHERE AT LOW NEGATIVE AIR
TEMPERATURES. [1961] 7p.
Order from ATS \$11.50 ATS-41N52R

Trans. of Glavnaya Geofizicheskiye Observatoriya
(Leningrad). Trudy (USSR) 1960, no. 104[166]
p. 46-52.

DESCRIPTORS: *Hail, Physical properties,
Temperature.

FTD MOL-1340/1
767000

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

61-25073

I. Kilnov, F. Ya.
II. ATS-41N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176733

Office of Technical Services

Zabrodskii, G. M., Zaitsev, V. Z. and others.
ATMOSPHERIC SOUNDINGS WITH A TU-104 AIR-
CRAFT. [1961] 14p.
Order from ATS \$18.00 ATS-42N52R

Trans. of Glasnaya Geofizicheskaya Observatoriya
[Leningrad] Trudy (USSR) 1960, no. 104[166] p. 53-67.

DESCRIPTORS: *Atmospheric sounding, instrumen-
tation, Aircraft.

FTD M02-1340/1

1961-100

RJ-3571

(Earth Sciences--Atmosphere, TT, v. 6, no. 6)

61-25062

- I. Title: TU-104
- I. Zabrodskii, G. M.
- II. Zaitsev, V. Z.
- III. ATS-42N52R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

176725

Office of Technical Services

61-25044

Chuvaev, A. P.
INVESTIGATION OF THE WATER RESOURCES OF
CLOUDS DURING THE WARM HALF-YEAR IN THE
BASIN OF LAKE SEVAN. [1961] 8p.
Order from ATS \$14.25 ATS-43N52R

Trans. of Glavnaya Geofiz[icheskaya]Observatoriya
[Leningrad], ~~Trudy~~ (USSR) 1960, no. 104[166]p. 68-74.

DESCRIPTORS: *Clouds, Moisture.

FTD MCL-1340/1

9670000

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

I. Chuvaev, A. P.
II. ATS-43N52R
III. Associated Technical
Services, Inc., East
Orange, N. J.

176711

Office of Technical Services

The Use of Colloidal Solutions for the
Seeding of Supercooled Clouds and Fog,
by P. N. Krasikov, 6 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ,
No 104, 1960, pp 75-78. 9672000

FTD MCL-1340/1

Sci - Geophya

176, 134

14 Dec 61

Results of Laboratory Experiments on the
Ice-Forming Activity of Certain Substances in
Supercooled Fog, by P. N. Krasikov, 10 pp.

RUSSIAN, per. Tedy Glavnoy Geofiz Observ,
No 104, 1960, pp 79-84. 9672000

INTD MEL-1340/1

Sci Geophys

176, 152

14 Dec 61

AJ-3574

The Influence of the Frequency and Intensity
of Acoustic Vibrations on the Rate of
Dissipation of Fog, by N. P. Iverskov,
12 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz. Observ.,
No 104, 1960, pp 85-94 9572000

FTD MCL-1340/1

Not Geophys

14 Dec 61

176, 125

APR 1962

63-3525

62-13285

Fateev, N. P.

**SURFACE SOIL TEMPERATURE MEASUREMENT
BY MEANS OF A ZERO-RADIATION METHOD**(Izmerenie Temperatury Poverkhnosti Pochvy Radiatsionno-Nulevym Metodom) tr. by Irene A. Donehoo.
Oct 61 [8]p. 6 refs.

Order from OTS or SLA \$1.10

62-13285

Trans. of Glavnaya Geofizicheskaya Observatoriya,
Leningrad. Trudy (USSR) 1960, no. 108(170),
p. 59-63.DESCRIPTORS: *Soils, *Surface temperatures,
Measurement, Instrumentation, *Thermodynamics,

A method and a diagram of the instrument for measuring the surface soil temperature by its radiation are presented. The method proposed makes it possible to measure surface soil temperature within an accuracy of 0.1°.

(Physics--Thermodynamics, TT, v. 8, no. 2)

I. Title: Zero radiation method**I. Fateev, N. P.****II. Weather Bureau,
Washington, D. C.**

Office of Technical Services

Some Quantitative Characteristics of the Evolution
of Depressions, by N. I. Yakovleva.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 114,
1960, pp 47-60.

NLL M 5009

Sci -Earth Sci & Astron
Mar 63

226,800

THE CONSTRUCTION OF CHARTS USING AN ELECTRONIC
COMPUTER, BY L. S. GANDIN, V. P. BOLTENKOV.

RUSSIAN, PER, TRUDY GLAV GEOFIZ OBSERV, NO 114,
1960, PP 90-103.

NLL M. 38L3

SCI - ENGR

GB/259

OCT 62

213,015

THE TRANSFER OF MASS, HEAT AND MOISTURE
ACROSS THE EQUATOR. BY L. R. RAKIPOVA.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZ OBSERV,
NO L14, L960, PP 104-113.

NLL M. 3814

SCI - GEOPHYS

GB/259

214,166

OCT 62

62-13286

Pivovarova, Z. I.
THE CHIEF CHARACTERISTICS OF THE RADIATION
REGIME OF THE EUROPEAN TERRITORY OF THE
USSR (Osnovnye Kharakteristiki Radiatsionnogo
Rezhima Evropeiskoi Territorii SSSR) tr. by Irene A.
Donchov. Oct 61 [21]p. 9 refs.
Order from OTS or SIA \$2.60

Trans. of Glavnaya Geofizicheskaya Observatoriya,
Leningrad. Trudy (USSR) 1960, no. 115(177), p. 77-94.

DESCRIPTORS: USSR, Europe, *Thermal radiation,
Sun, *Solar energy, Measurement, Diurnal variations,
Albedo, Periodic variations, Meteorology.

The principal characteristics of the radiation regime
in the European Territory of the USSR are investigated
according to the data of actinometric stations taken du-
ring the IGY. Average monthly intensity values and
monthly totals of the constituents of the radiation bal-
(Earth Sciences--Meteorology, IT, v. 8, no. 1) (over)

I. Pivovarova, Z. I.
II. Weather Bureau, Washington,
D. C.

Office of Technical Services

Conditions for the Transformation of Low ~~IX~~
Cloud Into Fog, and Fog Into Low Cloud, by
P. A. Vorontsov.

RUSSIAN, per, Trudy Glavnaia Geofizicheskai-
Observatoriia, No 106, 1961, pp 10-18.

NLL/M. 5082

Sci-Earth Sci
July 63

236,259

Variations in the Total Content of Atmospheric
Ozone in Depressions and Anticyclones, by Gai-cho

RUSSIAN, per, Trudy Glav Geofiz Observ, No 106,
1961, pp 19-36.

NIL N 29 5081

Sci - Earth Sci & Astron
May 63

229,334

Comparative Characteristics of Data on Atmospheric
Ozone Obtained During the International Year at
Several Stations, by G. P. Gushchin, R. G. Romanova.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 106,
1961, pp 37-43.

NLL M 5006

Sci - Earth Sci & Astron
Mar 63

226,546

Measurements of the Vertical Components of Wind
Speed from an Aircraft, by V. A. Zaitsev.

RUSSIAN, per, Trudy Glav Geofiz Observ, No 106,
1961, pp 62-68.

NIL M 5080

Sci - Earth Sci & Astron
May 63

229,144

Determination of Vertical Gusts of Wind
According to the Vibration of an Airplane in
Flight, Allowing for the Pilot's Action on
the Control Levers, by A. S. Dubov.
RUSSIAN, per, Trudy Glavnaya Geofiz Observ, 1961,
pp 109-124.
*FTD-MT-64-437

Sci
Oct 64

62-11706

Bogdanova, N. P. and Lebedev, A. N.
THE RELATIONSHIP BETWEEN THE WEATHER
AND CLIMATIC CHARACTERISTICS AND THE
RADIATION TEMPERATURE OF THE UNDERLYING
SURFACE (Svyaz' Pogodnykh i Klimaticheskikh
Kharakteristik s Radiatsionnoi Temperaturnoi
Podstilyushchei Poverkhnosti) tr. by Irene A. Donehoo.
May 62, 18p. 1 ref.
Order from OTS \$0.50

62-11706

Trans. of Glavnya Geofizicheskaya Observatoriya,
Leningrad. Trudy (USSR) 1961, no. 109[171]
p. 38-52.

DESCRIPTORS: Geophysics, *Thermal radiation,
Measurement, *Meteorology, *Climatic factors,
Collecting methods, Instrumentation, Aircraft,
Temperature.

Measurements were carried out that made it possible
(Earth Sciences--Meteorology, TT, v. 8, no. 6) (over)

I. Bogdanova, N. P.
II. Lebedev, A. N.
III. Weather Bureau,
Washington, D. C.

Office of Technical Services

THE ALBEDO OF LARGE TERRITORIES, BY V. L. GAYEVSKIY.

RUSSIAN, PER, TRUDY L^{EN}INGRAD GLAVNOY GEOFIZ
OBSERV, NO L09, 1961, PP 61-75.

NLL M. 3882

SCI - GEOPHYS

NOV 62

217,679

Device for Measuring the Size Spectrum of Spherical
Particles and Fog Droplets, by V. I. Golikov, 21 pp.
RUSSIAN, per, Trudy Glav Gidrofizi Obser, No 109,
1961, pp 76-89. 9223025
Amer Meteorol Soc

T-R-422

NLL 7773.75 1964 (T-R-422+) on loan

Sci - E. S. & Astron
Jul 64

TT-64-11827

263,860

The Relation of Visual Range to Meteorological
Conditions, by E. N. Dovgvallo,
RUSSIAN, per. Trudy Glav. Geofiz. Observ.,
No 109, 1961, pp 90-95,
NLL Ref: 5828.4F (7824)

Sci/Atmos
Mar 70

404,120

On the Question of the Mechanism of the Effect
of Hills on Precipitation, by L. P. Kusnetsova.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 111, 1961, pp 71-76.

NLL Ref: 5828.4 1963 (5461) (loan)

OTS TT-64-15958

May 64

(DC-6832)

The Principles of a Rational Distribution of a
Meteorological Station Network, by L. S. Gandin,
22 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, X No 111, 1961, pp 81-98.

JPRS 14165

Sci - Geophys
Jun 62

203,515

(DC-6832)

Heliogeophysical Relationships During Various
Forms of Atmospheric Circulation, by
T. V. Pokrovskaya, N. L. Spitsyna, 9 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni
A. I. Voyeykova, No 111, 1961, pp 118-125,

JPRS 14165

Sci - Geophys
Jun 62

203,516

(DC-6832)

The Improvement and Practical Application of the
Synoptic-Climatological Method of Long-Range
Hydrometeorological Forecasts, by
L. A. Vitel's, 23 pp.

RUSSIAN, per, Trudy Glav Geofiz. Observ. imeni
A. I. Vovaykova, No 111, 1961, pp 136-152.

JPRS 14165

Sci - Geophys
Jun 62

203, 628

(DC-6832)

An Analysis of SX Solar Activity in Prognostic Relationships, by L. A. Vitel's, 35 pp.

~~RUSSIAN, per, Trudy Glav Geofiz. Observ. imeni~~
A. I. Voyeykova, No 111, 1961, pp 153-178.

JPRS 14165

Sci - Geophys
Jun 62

203, 629

Distribution of Snow Cover on the Territory of the
Northwestern Administration of Hydrometeorological
Service, by A.V. Dunayeva.

RUSSIAN, per, Glav Geo Obser ,Trudy, 1963, vol. no. 112
pp. 107-115.

AGU

ES/Astron
Aug 66

7
306,648

Compensated Photometer for Accurate Measurements
and Recordings of the Transparency of the
Atmosphere, by V. I. Goryshin, 30 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya
Observatoriya, Leningrad, Issledovaniya
Radiatsionnykh Protessov, No 118, 1961, pp 26-41.

96354128

*FTD-MT-63-15

Sci - Geophys
Feb 63

Sci. Geophys. Feb 63

RUSSIAN

JPRS 55821
13ppCBO: 02343/72 W
10 April 1972 SF

Experimental study of the spectral transmittance
of the atmosphere, by Yu. I. Rabinovich and
L. N. Guseva.

Leningrad, Trudy GGO, Issledovaniye radiatsionnykh
protssessov, No. 118, 1961, pp 69-76.

Please publish, also make reproductions and doc.
may be clipped.

T. D. 14 April 1972.

Optical Characteristics of Arctic Air Masses,
by N. I. Nikitinskaya, 8 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya
Observatoriya, Leningrad, Issledovaniya
Radiatsionnykh Protssessov, No 118, pp 77-81. 9625434

FTD-MT-63-17 1161

Sci - Geophys
Feb 63

ON THE RELATIONSHIPS AMONG THE COEFFICIENTS OF
TURBULENT MOMENT, HEAT , AND MATTER TRANSFER
IN THE SURFACE LAYER OF THE ATMOSPHERE,
BY I. L. SENDERIKHINA, 23 PP.

RUSSIAN, PER, TRUDY GLAVNOY GEOFIZICHESKOY
OBSERVATORII IMENI A. I. VOYEKOVA, NO 121,
1961.

JPRS 17~~88~~299

SCI - GEOPHYS

JAN 63

220,901

Kotov, N. F.

A NEW CODE FOR THE NETWORK OF RADAR
STORM-WARNING STATIONS. [1961] 12p.

Order from ATS \$19.90

ATS-02N58R

Trans. of Glavnaya Geofiz[icheskaya] Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120[182]
p. 3-14.

DESCRIPTORS: *Coding, Weather stations, *Storms,
Electrical networks, *Meteorological radar.

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12672

- I. Kotov, N. F.
- II. ATS-02N58R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Kotov, N. F.

DETERMINATION OF THE RADAR CHARACTERISTIC OF THE THUNDER STATE OF RAIN-STORMS. [1961] 7p.

Order from ATS \$11.95

ATS-03N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya [Leningrad]. Trudy (USSR) 1961, no. 120[182] p. 27-36.

DESCRIPTORS: *Meteorological radar, *Magnetic storms, Thunderclouds, *Precipitation.

(Earth Sciences--Meteorology, TT, v. 7, no. 9)

62-12568

I. Kotov, N. F.

II. ATS-03N58R

III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

62-12570

Brylev, G. B. and Sal'man, E. M.
RADAR ECHOES FROM DIELECTRIC INHOMOGE-
NEITIES OF THERMAL NATURE. [1961] 8p.
Order from ATS \$8.45 ATS-04N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120[182]
p. 37-44.

DESCRIPTORS: *Radar echo areas, *Dielectric proper-
ties, Temperature

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

- I. Brylev, G. B.
- II. Sal'man, E. M.
- III. ATS-04N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Kotov, N. F. and Zhul-Tszyun, K.
SOME RESULTS OF RADAR STUDIES ON THE
MOTIONS OF RAINSTORM AND THUNDERSTORM
CELLS. [1961] 7p.
Order from ATS \$11.95 ATS-05N58R

Trans. of Glavnaya Geofizicheskaya Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120[182]
p. 45-51.

DESCRIPTORS: *Radar analysis, *Storms,
Precipitation

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

62-12548

1. Title: Thunderstorms
- I. Kotov, N. F.
- II. Zhul-Tszyun, K.
- III. ATS-05N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

62-12550

Kramich, K. F. and Solov'ev, V. A.
SOME DISTINGUISHING CHARACTERISTICS OF
THUNDERSTORMS AND RAINSTORMS. [1961] 8p.
Order from ATS \$12.10 ATS-06N58R

Trans. of Glavnaya Geofiz[icheskaya] Observatoriya
[Leningrad]. Trudy (USSR) 1961, no. 120 [182]
p. 52-59.

DESCRIPTORS: *Storms, *Precipitation, Lightning,
*Thunderclouds.

(Earth Sciences--Meteorology, TT, v. 7, no. 10)

1. Title: Thunderstorms
- I. Kramich, K. F.
- II. Solov'ev, V. A.
- III. ATS-06N58R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Some Regularities in the Structure of the
Geopotential Field, by M. I. Yudin.
RUSSIAN, per, Trudy Glav. Geofiz. Observ.,
Vol 121, 1961, pp 3-18.
NLL Ref: 9022.551B 1966 (394 M)

Sci-E Sci
Aug 66

309,156

On the Transfer of Mass, Heat and Moisture
Across the Equator, by L. R. Rakipova.

RUSSIAN, per, Trudy Glav Geofiz Observ, 1961,
pp 18-23.

NIL M 5161

Sci - Earth Sci & Astron
May 63

229,565

Determination of Vertical Wind Gusts
on the Basis of Oscillations of Aircraft
in Flight With the Pilot's Action on
Control Levers Taken Into Account, by
A. S. Dubov, 25 pp.

RUSSIAN, per, Trudy Glavnoy Geofiz
Obser, No 121, 1961, pp 109-124.

9698900

FTD-MT-64-437

Sci - Aero
Mar 66

296,416

A Method of Calculating the Duration of
Precipitation, by A. N. Lebedev, L. A.
Saltykova.

RUSSIAN, per, Trudy Glav Geofiz Observ,
Vol 6881, 1961, pp 48-60.

NO 122

NLL M 3983

Sci - Geophys
Feb 63

723,558

Rational Distribution of Glaze Rigs in the
USSR, by A. V. Rudneva. (9680443) 11 pp

RUSSIAN, per, Trudy Glav Geofiz Observ, No 122,
1961, pp 68-74.

AID Report T-63-37

Sci - En Earth Sci & Astron
Apr 63

229,322

On the Attenuation of Solar Radiation in the Upper
Layers of the Troposphere, by Yu. I. Rabinovich,
5 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya
Observatoriya, No 125, 1962, pp 54-57. (9683462)

AID Report T-63-75

Sci - Earth Sci & Astron
Jun 63

234,261

Daily Influx of Total Solar Radiation With Different
Types of Cloud, by B. M. Gal'perin.

RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 125,
1962, pp 62-75.

NLL(LOAN)Ref: 5828.4 1963 (5438)

Sci-Earth Sci & Astron
April 64

WINTER PRECIPITATIONS INDUCED BY ITALIAN ANTIHAIL
ROCKETS, BY ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

BY G. M. BASHKIROVA, M. A. KHMACH, 7 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI

A. I. VOYEKOVA, NO 126, 1962, PP 3-7.

JPRS 18696

SCI - EARTH SCI - ASTRON

HTS-12 P65 R

APR 63

228,1502

S-47/63

On the Use of Hygroscopic Salts in Anti-hail
Rockets, by V. Ya. Nikandrov, 3pp ~~(NY-7475)~~

RUSSIAN, bk, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 126, 1962, pp 8, 9.

*JPRS 18696

Sci - Geophys
1 Feb 63

⌘
A METHOD FOR THE USE OF AQUEOUS SOLUTIONS ⌘ OF
LEAD IODIDE AS AGENTS IN SUPERCOOLED CLOUDS AND
FOGS, BY YE. V. BAKULINA, T. N. GROMOVA, 9 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. ⌘ VOYEYKOVA, NO 126, 1962, PP 10 - 15.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

228,503

S-47/63

Experience of Modification of Supercooled Clouds
Using Aqueous Solutions of Lead-Iodide, by
T. N. Gromova, et al. (NY-7475)

RUSSIAN, bk, Trudy Glavnoy Geofiz Observ imeni
A. I. Voyeykova, No 126, 1962, pp 16-21.

18696
*JPRS

ATS-15P65R

Sci - Geophys
1 Feb 63

SOLID FUEL TORCHES AS MEANS FOR INTRODUCING
CRYSTALLIZATION NUCLEI IN FOGS NEAR THE GROUND,
BY V. YA. NIKANDROV, 5 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 22-24.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

228,505

HAIL FORECASTING, BY N. S. SHISHKIN, 15 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEYKOVA, NO 126, 1962, PP 25-32.

JPRS 18696

SCI - EATH SCI-ASTRON

APR 63

NLWM 5083

228,506

FORECAST OF THE AMOUNT OF AIR-MASS SHOWER
PRECIPITATION, BY V. T. LENSIN, G. I. OSIPOVA,
12 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEKOVA, NO 126, 1962, PP 33-39.

JPRS 18696

SCI - EARTH SCI-ASTRON

APR 63

ATS-18696R

228,508

SOME RESULTS OF THE ANALYSIS OF NETWORK OBSERVA-
TIONS OF CLOUDS AND PRECIPITATIONS IN THE LAKE .
SEVAN MOUNTAIN BASIN, BY A. P. CHUVAYEV,
G. I. OSIPOVA, 25 PP.

RUSSIAN, BK, TRUDY GLAVNOY GEOFIZ OBSERV IMENI
A. I. VOYEYKOVA, NO 126, 1962, PP ~~25-26~~

JPRS 18696

40-56

SCI - EARTH SCI-ASTRON

ATS-19065C

APR 63

228,507